

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PTR SECTION STAFF GUIDANCE

PUMPING TEST FOR PUBLIC WATER WELLS

Rule Affected: Title 30 Texas Administrative Code (30 TAC) §290.41(c)(3)(G)

Background:

30 TAC §290.41(c)(3)(G) of our current **Rules and Regulations for Public Water Systems** states that a 36-hour pump test is required as part of the completion data for a public water well.

Guidance:

To reduce water usage, shorter periods can be accepted under the following conditions:

New Wells

1. The pumping rate remains constant for at least four hours, and the pumping period has been a minimum of 24 hours, **or**
2. The pumping rate remains constant for at least four hours, and a straight-line trend is observed on a plot of water level versus a logarithm of time during pumping and recovery.

As-Built Wells and Emergency Use of Wells for Public Water Systems

1. As built wells with documentation of a drill date prior to September 1, 2000 responding to an "As Built" plan notice of violation may submit 18 months of daily usage data to establish the well capacity rating. The rating will be based on the maximum daily pumpage. PWSs with less than 250 connections may submit weekly pumpage data and request a calculated rating based on weekly data.

Well performance testing results must be submitted with well completion data. The pump test procedure must comply with Section 5.1 of American Water Works Association standard A100-06. A minimum of a four-hour resting period is required between prior pumping and the test itself.

Finalized and Approved by:



Vera Poe, P.E., Acting Section Manager, 10/20/2014

If no formal expiration date has been established for this staff guidance, it will remain in effect until superseded or canceled.